

sequence operably linked to a heterologous polynucleotide sequence encoding a MYB

11.

polypeptide.

A recombinant expression cassette comprising a promoter

1	12	The expression cassette of claim 9, wherein the polynucleotide is at	
2	least about 30 nucleotides in length.		
1	13.	The expression cassette of claim 11, wherein the polynucleotide is	
2	as shown in SEQ	ID NO:1.	
1	14.	The expression cassette of claim 11, wherein the polynucleotide is	
2	a shown in SEQ ID NO. 3.		
1	15.	The expression cassette of claim 11, wherein the polynucleotide	
2	encodes a MYB polypeptide as shown in SEQ ID NO: 2.		
1	16.	The expression cassette of claim 11, wherein the polynucleotide	
2	encodes a MYB polypeptide as shown in SEQ ID NO: 4		
1	17.	The expression cassette of claim 11, wherein the promoter directs	
2	expression of the polynucleotide sequence in cotton fibers.		
1	18.	The expression cassette of claim 11, wherein the promoter	
2	sequence directs expression in roots.		
1	SEG) 19.	A plant comprising the expression cassette of claim 11.	
1	20.	The plant of claim 19, which is a cotton plant.	
1	21.	An isolated nucleic acid molecule comprising a sequence at least	
2	about 70% identical to SEQ ID NO: 5.		
1	22.	The isolated nucleic acid molecule of claim 21, which comprises a	
2	sequence as shown in SEQ ID NO: 5.		
1	23.	An isolated nucleic acid molecule which encodes a polypeptide as	
2 shown in SEQ ID NO: 6.		NO: 6.	
1	2 <sup>4</sup> .	An isolated nucleic acid molecule comprising a sequence at least	
2	about 70% identical to SEQ D NO: 7.		

1	25. The isolated nucleic acid molecule of claim 24, which comprises
2	sequence as shown in SEQ ID NO: 7.
1	26. An isolated nucleix acid molecule which encodes a polypeptide as
2	shown in SEQ ID NO: 8.
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